Index of Authors

ABADI, K. *See* HADJU, V.

ABAD, P. *See* GRENIER, E.

ADAMSON, R. E. and HALL, F. R. Matrix metalloproteinases mediate the metastatic phenotype of *Theileria annulata* – transformed cells, 449

AGRO, A. *See* MASSON, S. D.

ALTRINGHAM, J. D. *See* HARWOOD, C. L.

ANDERSON, R. M. *See* AUSTIN, D. J.

ANDERSON, R. M. *See* BAŚÑEZ, M. G.

ANDERSON, R. M. *See* HETZEL, C.

ASAHI, H., KANAZAWA, T., KAJIHARA, Y., TAKAHASHI, K. and TAKAHASHI, T. Hypoxanthine: a low molecular weight factor essential for growth of erythrocytic *Plasmodium falciparum* in a serum-free medium, 19

ASAOLU, S. O. *See* HOLLAND, C. V.

ASHWORTH, S. T., KENNEDY, C. R. and BLANC, G. Density-dependent effects of *Anguillicola crassus* (Nematoda) within and on its copepod intermediate hosts, 303

ATAMNA, H. *See* GINSBURG, H.

ATKINSON, H. J. *See* LILLEY, C. J.

ATTAH, S. *See* STROTE, G.

AUSTIN, D. J. and ANDERSON, R. M. Immunodominance, competition and evolution in immunological responses to helminth parasite antigens, 157

BANSEMIR, A. D. and SUKHDEO, M. V. K. Villus length influences habitat selection by *Heligmosomoides polygyrus*, 311

BARRAL, V., MORAND, S., POINTIER, J. P. and THÉRON, A. Distribution of schistosome genetic diversity within naturally infected *Rattus rattus* detected by RAPD markers, 511

BARRAT, J. *See* POZIO, E.

BASÁÑEZ, M. G., TOWNSON, H., WILLIAMS, J. R., FRONTADO, H., VILLAMIZAR, N. J. and ANDERSON, R. M. Density-dependent processes in the transmission of human onchocerciasis: relationship between microfilarial uptake and mortality in the simuliid vector, 331

BAYLISS, P. *See* LAMPO, M.

BENNETT, J. L. *See* DAY, T. A.

BERGHEN, P. *See* GRAAF, D. C. DE

BETSCHART, B. *See* BISOFFI, M.

BISOFFI, M. and BETSCHART, B. Identification and sequence comparison of a cuticular collagen of *Brugia pahangi*, 145

BLANC, G. *See* ASHWORTH, S. T.

BLAXTER, M. L. *See* GRAAF, D. C. DE

BONIFASSI, E. *See* GRENIER, E.

BONOW, I. *See* STROTE, G.

BOWMAN, D. D. *See* HADJU, V.

BREHELIN, M. *See* DUPAS, S.

BUMANN, D. and PULS, G. Infestation with larvae of the sea anemone *Edwardsia lineata* affects nutrition and growth of the ctenophore *Mnemiopsis leidyi*, 123

BUMSTEAD, J. M. *See* DUNN, P. P. J.

BURROWS, P. R. *See* JONES, J. T.

BUTTERWORTH, A. E. *See* FULFORD, A. J. C.

BÜTTNER, D. W. *See* GUTIÉRREZ-PEÑA, E. J.

CAMPBELL, J. F., LEWIS, E., YODER, F. and GAUGLER, R. Entomopathogenic nematode (Heterorhabditidae and Steinernematidae) spatial distribution in turfgrass, 473

CANCRINI, G. *See* FAVIA, G.

CAPRON, A. *See* LIU, J. L.

CAPRON, A. *See* PIERROT, C.

CAPRON, A. *See* SERRA, E.

CARTON, Y. *See* DUPAS, S.

CELÉRIÉR, M. L. *See* OPPLIGER, A.

CHARLWOOD, J. D. *See* HAJI, H.

CHEN, G-Z., *See* DAY, T. A.

CHRISTENSEN, N. Ø. *See* JOHANSEN, M. V.

CLOBERT, J. *See* OPPLIGER, A.

COLUZZI, M. *See* FAVIA, G.

COOMBS, I. *See* HOLLAND, C. V.

CRAIG, P. S. *See* WEN, H.

CRANDALL, I., DEMERS, D. and SHERMAN, I. W. The effect of proteases and iodination on the adherent behaviour of *Plasmodium falciparum*-infected erythrocytes, 317

CROMPTON, D. W. T. *See* HOLLAND, C. V.

CROMPTON, D. W. T. *See* PENG WEIDONG

CUI XIAOMIN *See* PENG WEIDONG

CURTIS, R. H. C. Identification and *in situ* and *in vitro* characterization of secreted proteins produced by plant-parasitic nematodes, 589

CURTIS, R. H. C. Identification and *in situ* and *in vitro* characterization of secreted proteins produced by plant-parasitic nematodes, 589

CURTIS, R. H. *See* JONES, J. T.

DASH, A. P. *See* MUKHOPADHYAY, S.

DAY, T. A., CHEN, G-Z., MILLER, C., TIAN, M., BENNETT, J. L. and PAX, R. A. Cholinergic inhibition of muscle fibres isolated from *Schistosoma mansoni* (Trematoda: Digenea), 55

DEANE, M. P. *See* FRANCO, A. M. R.

DE BONT, J., VAN LIESHOUT, L., DEELDER, A. M., YSEBAERT, M. T. and VERCRUYSSE, J. Circulating antigen levels in serum of cattle naturally infected with *Schistosoma mattheei*, 465

DEELDER, A. M. *See* DE BONT, J.

DEELDER, A. *See* JOHANSEN, M. V.

DELAY, B. *See* TCHUEM-TCHUENTE, L-A.

DEL CACHO, E. *See* LOPEZ-BERNAD, F.

DELLA TORRE, A. *See* FAVIA, G.

DEMERS, D. *See* CRANDALL, I.

DISSOUS, C. *See* SERRA, E.

DOLAN, T. T. *See* YOUNG, A. S.

DUNN, P. P. J., BUMSTEAD, J. M. and TOMLEY, F. M. Sequence, expression and localization of calmodulin-domain protein kinases in *Eimeria tenella* and *Eimeria maxima*, 439

DUPAS, S., BREHELIN, M., FREY, F. and CARTON, Y. Immune suppressive virus-like particles in a *Drosophila* parasitoid: significance of their intraspecific morphological variations, 207

DURDEN, L. A. *See* LEFCORT, H.

FAVIA, G., LANFRANCOTTI, A., DELLA TORRE, A., CANCRINI, G. and COLUZZI, M. Polymerase chain reaction – identification of *Dirofilaria repens* and *Dirofilaria immitis*, 567

FILLIÉ, Y. *See* JOHANSEN, M. V.

FLEGR, J., ZITKOVÁ, S., KODYM, P. and FRYNTA, D. Induction of changes in human behaviour by the parasitic protozoan *Toxoplasma* gondii, 49

FONTAINE, J. *See* LIU, J. L.

FOSTER, N. and LEE, D. L. Vasoactive intestinal polypeptide-like and peptide histidine isoleucine-like proteins excreted/secreted by *Nippostrongylus brasiliensis*, *Nematodirus battus* and *Ascaridia galli*, 287

FRANCO, A. M. R., MOMEN, H., NAIFF, R. D., MOREIRA, C. F. S., DEANE, M. P. and GRIMALDI, G. Jr. Enzyme polymorphism in *Endotrypanum* and numerical analysis of isoenzyme data, 39

FREY, F. *See* DUPAS, S.

FRONTADO, H. *See* BASÁÑEZ, M. G.

FRYNTA, D. *See* FLEGR, J.

FULFORD, A. J. C., OUMA, J. H., KARIUKI, H. C., THIONGO, F. W., KLUMPP, R., KLOOS, H., STURROCK, R. F. and BUTTERWORTH, A. E. Water contact observations in Kenyan communities endemic for schistosomiasis: methodology and patterns of behaviour, 223

GALLEGO, M. *See* LOPEZ-BERNAD, F.
GAUGLER, R. *See* CAMPBELL, J. F.
GAUGLER, R. *See* LEWIS, E. E.
GAUGLER, R. *See* STUART, R. J.
GEARY, T. G. *See* MARKS, N. J.
GETTINBY, G. *See* YOUNG, A. S.
GINSBURG, H., ATAMNA, H., SHALMIEV, G., KANAANI, J. and KRUGLIAK, M. Resistance of glucose-6-phosphate dehydrogenase deficiency to malaria: effects of fava bean hydroxypyrimidine glucosides on *Plasmodium falciparum* growth in culture and on the phagocytosis of infected cells, 7
GODIN, C. *See* PIERROT, C.
GRAAF, D. C. DE, BERGHEN, P., MOENS, L., MAREZ, T. M. DE, RAES, S., BLAXTER, M. L. and VERCRUYSSE, J. Isolation, characterization and immunolocalization of a globin-like antigen from *Ostertagia ostertagi* adults, 63
GRENIER, E., BONIFASSI, E., ABAD, P. and LAUMOND, C. Use of species-specific satellite DNAs as diagnostic probes in the identification of Steinermatidae and Heterorhabditidae entomopathogenic nematodes, 483
GRIMALDI, G. Jr. *See* FRANCO, A. M. R.
GRØNDAHL, C. *See* LARSEN, M.
GRØVOLD, J. *See* LARSEN, M.
GRZYCH, J. M. *See* LIU, J. L.
GUÉGAN, J.-F. *See* KENNEDY, C. R.
GUSTAFSSON, M. K. S., LINDHOLM, A. M., TERENINA, N. B. and REUTER, M. NO nerves in a tapeworm. NADPH-diaphorase histochemistry in adult *Hymenolepis diminuta*, 559
GUTIÉRREZ-PEÑA, E. J., KNAB, J. and BÜTTNER, D. W. Neutrophil granule proteins: evidence for the participation in the host reaction to skin microfilariae of *Onchocerca volvulus* after diethylcarbamazine administration, 403

HADJU, V., STEPHENSON, L. S., ABADI, K., MOHAMMED, H. O., BOWMAN, D. D. and PARKER, R. S. Improvements in appetite and growth in helminth-infected schoolboys three and seven weeks after a single dose of pyrantel pamoate, 497
HAJI, H., SMITH, T., CHARLWOOD, J. D. and MEUWISSEN, J. H. Absence of relationships between selected human factors and natural infectivity of *Plasmodium falciparum* to mosquitoes in an area of high transission, 425
HALL, F. R. *See* ADAMSON, R. E.
HALTON, D. W. *See* MARKS, N. J.
HARWOOD, C. L., YOUNG, I. S., LEE, D. L. and ALTRINGHAM, J. D. The effect of *Trichinella spiralis* infection on the mechanical properties of the mammalian diaphragm, 535
HENRIKSEN, S. A. *See* LARSEN, M.
HETZEL, C. and ANDERSON, R. M. The within-host cellular dynamics of bloodstage malaria: theoretical and experimental studies, 25
HOLLAND, C. V., ASAOLU, S. O., CROMPTON, D. W. T., WHITEHEAD, R. R. and COOMBS, I. Targeted anthelmintic treatment of school children: effect of frequency of application on the intensity of *Ascaris lumbricoides* infection in children from rural Nigerian villages, 87

IMBERT-ESTABLET, D. *See* TCHUEM TCHUENTÉ, L.-A.

JOHANSEN, M. V., FILLIÉ, Y., MONRAD, J., CHRISTENSEN, N. Ø. and DEELDER, A. Experimental *Schistosoma bovis* infection in goats. Circulating antigen and antibody responses to egg and adult worm antigens during infection and following treatment with praziquantel, 367
JOHNSON, S. *See* MARKS, N. J.
JONES, J. T., CURTIS, R. H., WIGHTMAN, P. J. and BURROWS, P. R. Isolation and characterization of a putative collagen gene from the potato cyst nematode *Globodera pallida*, 581
JONES, M. K., ZHANG, L.-H., LEGGATT, G. R., STENZEL, D. J. and MCMANUS, D. P. The ultrastructural localization of *Echinococcus granulosus* antigen 5, 213
JOURDANE, J. *See* TCHUEM TCHUENTÉ, L.-A.

KAJIHARA, Y. *See* ASAHI, H.
KANAANI, J. *See* GINSBURG, H.
KANAZAWA, T. *See* ASAHI, H.
KARIUKI, H. C. *See* FULFORD, A. J. C.
KENNEDY, C. R. and GUÉGAN, J.-F. The number of niches in intestinal helminth communities of *Anguilla anguilla*: are there enough spaces for parasites?, 293
KENNEDY, C. R. *See* ASHWORTH, S. T.
KHALIFE, J. *See* PIERROT, C.
KIRK, R. S. and LEWIS, J. W. Migration and development of the blood fluke *Sanguinicola inermis* Plehn, 1905 (Trematoda: Sanguinicolidae) in carp, *Cyprinus carpio* L., 279
KLOOS, H. *See* FULFORD, A. J. C
KLUMPP, R. *See* FULFORD, A. J. C.
KNAB, J. *See* GUTIÉRREZ-PEÑA, E. J.
KODYM, P. *See* FLEGR, J.
KOELLA, J. C. and PACKER, M. J. Malaria parasites enhance blood-feeding of their naturally infected vector *Anopheles punctulatus*, 105
KRUGLIAK, M. *See* GINSBURG, H.
KUSEL, J. R. *See* REDMAN, C. A.

LAMPO, M. and BAYLISS, P. The impact of ticks on *Bufo marinus* from native habitats, 199
LANFRANCOTTI, A. *See* FAVIA, G.
LA ROSA, G. *See* POZIO, E.
LARSEN, M., NANSEN, P., GRØNDAHL, C., THAMSBORG, S. M., GRØNVOLD, J., WOLSTRUP, J., HENRIKSEN, S. A. and MONRAD, J. The capacity of the fungus *Duddingtonia flagrans* to prevent strongyle infections in foals on pasture, 1
LAUMOND, C. *See* GRENIER, E.
LEE, D. L. *See* FOSTER, N.
LEE, D. L. *See* HARWOOD, C. L.
LEE, D. L. *See* WINTER, M. D.
LEFCORT, H. and DURDEN, L. A. The effect of infection with Lyme disease spirochetes (*Borrelia burgdorferi*) on the phototaxis, activity, and questing height of the tick vector *Ixodes scapularis*, 97
LEGGATT, G. R. *See* JONES, M. K.
LEWIS, E. E., RICCI, M. and GAUGLER, R. Host recognition behaviour predicts host suitability in the entomopathogenic nematode *Steinernema carpocapsae* (Rhabditida: Steinernematidae), 573
LEWIS, E. E. *See* STUART, R. J.
LEWIS, E. *See* CAMPBELL, J. F.
LEWIS, J. W. *See* KIRK, R. S.
LILLEY, C. J., URWIN, P. E., MCPHERSON, M. J. and ATKINSON, H. J. Characterization of intestinally active proteinases of cyst-nematodes, 415
LINDHOLM, A. M. *See* GUSTAFSSON, M. K. S.
LIU, J. L., FONTAINE, J., CAPRON, A. and GRZYCH, J. M. Ultrastructural localization of Sm28 GST protective antigen in *Schistosoma mansoni* adult worms, 377
LIU, J.-L. *See* PIERROT, C.
LIU, J.-L. *See* SERRA, E.
LOPEZ-BERNAD, F., DEL CACHO, E., GALLEGO, M., QUILEZ, J. and SANCHEZ-ACEDO, C. Identification of a fibronectin-like molecule on *Eimeria* tenella, 505

MAREZ, T. M. DE *See* GRAAF, D. C. DE
MARKS, N. J., JOHNSON, S., MAULE, A. G., HALTON, D. W., SHAW, C., GEARY, T. G., MOORE, S. and THOMPSON, D. P. Physiological effects of platyhelminth RFamide peptides on muscle-strip preparations of *Fasciola hepatica* (Trematoda: Digenea), 393
MARTIN, R. J. *See* ROBERTSON, A. P.
MASSON, S. D., MCKAY, D. M., STEAD, R. H., AGRO, A., STANISZ, A. and PERDUE, M. H. *Nippostrongylus brasiliensis* infection evokes neuronal abnormalities and alterations in neurally regulated electrolyte transport in rat jejunum, 173
MAULE, A. G., *See* MARKS, N. J.

McKAY, D. M. *See* MASSON, S. D.
McMANUS, D. P. *See* JONES, M. K.
McPHERSON, M. J. *See* LILLEY, C. J.
MEDLEY, G. F. *See* OCHANDA, H.
MEUWISSEN, J., *See* HAJI, H.
MILLER, C. *See* DAY, T. A.
MOENS, L. *See* GRAAF, D. C. DE
MOHAMMED, H. O. *See* HADJU, V.
MOMEN, H. *See* FRANCO, A. M. R.
MONRAD, J. *See* JOHANSEN, M. V.
MONRAD, J. *See* LARSEN, M.
MOORE, S. *See* MARKS, N. J.
MORAND, S. *See* BARRAL, V.
MORAND, S. *See* TCHUEM-TCHUENTÉ, L.-A.
MOREIRA, C. F. S. *See* FRANCO, A. M. R.
MORZARIA, S. P. *See* YOUNG, A. S.
MUHMUT, M. *See* WEN, H.
MUKHOPADHYAY, S., DASH, A. P. and RAVINDRAN, B. *Setaria digitata* microfilaraemia in *Mastomys coucha*: an animal model for chemotherapeutic and immunobiological studies, 323
MWAKIMA, F. N. *See* YOUNG, A. S.

NAIFF, R. D. *See* FRANCO, A. M. R.
NANSEN, P. *See* LARSEN, M.
NEW, R. R. C. *See* WEN, H.
NORVAL, R. A. I. *See* YOUNG, A. S.

OCHANDA, H., YOUNG, A. S., WELLS, C., MEDLEY, G. F. and PERRY, B. D. Comparison of the transmission of *Theileria parva* between different instars of *Rhipicephalus appendiculatus*, 243
OPPLIGER, A., CELÉRIÉR, M. L. and CLOBERT, J. Physiologial and behaviour changes in common lizards parasitized by haemogregarines, 433
OUMA, J. H. *See* FULFORD, A. J. C.

PACKER, M. J. *See* KOELLA, J. C.
PARKER, R. S. *See* HADJU, V.
PAX, R. A. *See* DAY, T. A.
PENG JIYUAN *See* PENG WEIDONG
PENG WEIDONG, ZHOU XIANMIN, CUI XIAOMIN, CROMPTON, D. W. T., WHITEHEAD, R. R., XIONG JIANGQUIN, WU HAIGENG, PENG JIYUAN, YANG YANG, WU WEIXING, XU KAIWU and YAN YONGXING. *Ascaris*, people and pigs in a rural community of Jiangxi Province, China, 545
PERDUE, M. H. *See* MASSON, S. D.
PERRY, B. D. *See* OCHANDA, H.
PIERROT, C., GODIN, C., LIU, J. L., CAPRON, A. and KHALIFE, J. *Schistosoma mansoni* elastase: an immune target regulated during the parasite life-cycle, 519
POINTIER, J. P. *See* BARRAL, V.
POZIO, E., LAROSA, G., SERRANO, F. J., BARRAT, J. and ROSSI, L. Environmental and human influence on the ecology of *Trichinella spiralis* and *Trichinella britovi* in Western Europe, 527
PULS, G. *See* BUMANN, D.

QUILEZ, J. *See* LOPEZ-BERNAD, F.

RAES, S. *See* GRAAF, D. C. DE
RAVINDRAN, B. *See* MUKHOPADHYAY, S.
REDMAN, C. A. and KUSEL, J. R. Distribution and biophysical properties of fluorescent lipids on the surface of adult *Schistosoma mansoni*, 137
REUTER, M. *See* GUSTAFSSON, M. K. S.
RICCI, M. *See* LEWIS, E. E.
ROBERTSON, A. P. and MARTIN, R. J. Effects of pH on a high conductance Ca-dependent chloride channel: a patch-clamp study in *Ascaris suum*, 191
ROSSI, L. *See* POZIO, E.
RUPP, J. C. Parasite-altered behaviour: impact of infection and starvation on mating in *Biomphalaria glabrata*, 357

SANCHEZ-ACEDO, C. *See* LOPEZ-BERNAD, F.
SCOTT, J. *See* YOUNG, A. S.
SERRA, E., LIU, J.-L., CAPRON, A., ZEMZOUMI, K. and DISSOUS, C. Expression of NF-Y nuclear factor in *Schistosoma mansoni*, 457
SERRANO, F. J. *See* POZIO, E.
SHALMIEV, G. *See* GINSBURG, H.
SHAO, Y. M. *See* WEN, H.
SHAW, C. *See* MARKS, N. J.
SHAW, M. K. Characterization of the parasite-host cell interactions involved in *Theileria parva* sporozoite invasion of bovine lymphocytes, 267
SHERMAN, I. W. *See* CRANDALL, I.
SHERRIFF, A. *See* YOUNG, A. S.
SMITH, T. *See* HAJI, H.
STANISZ, A. *See* MASSON, S. D.
STEAD, R. H. *See* MASSON, S. D.
STENZEL, D. J. *See* JONES, M. K.
STEPHENSON, L. S. *See* HADJU, V.
STROTE, G., BONOW, I. and ATTAH, S. The ultrastructure of the anterior male *Onchocerca volvulus*: papillae, amphids, nerve ring and first indication of an excretory system in the adult filarial worm, 71
STUART, R. J., LEWIS, E. E. and GAUGLER, R. Selection alters the pattern of emergence from the host cadaver in the entomopathogenic nematode, *Steinernema glaseri*, 183
STURROCK, R. F. *See* FULFORD, A. J. C.
SUKHDEO, M. V. K. *See* BANSEMIR, A. D.

TAKAHASHI, K. *See* ASAHI, H.
TAKAHASHI, T. *See* ASAHI, H.
TCHUEM TCHUENTÉ, L.-A., MORAND, S., IMBERT-ESTABLET, D., DELAY, B. and JOURDANE, J. Competitive exclusion in human schistosomes: the restricted distribution of *Schistosoma intercalatum*, 129
TERENINA, N. B. *See* GUSTAFSSON, M. K. S.
THAMSBORG, S. M. *See* LARSEN, M.
THÉRON, A. *See* BARRAL, V.
THIONGO, F. W. *See* FULFORD, A. J. C.
THOMPSON, D. P. *See* MARKS, N. J.
TIAN, M. *See* DAY, T. A.
TOMLEY, F. M. *See* DUNN, P. P. J.
TOWNSON, H. *See* BASÁÑEZ, M. G.

URWIN, P. E. *See* LILLEY, C. J.

VAN LIESHOUT, L. *See* DE BONT, J.
VERCRUYSSE, J. *See* DE BONT, J.
VERCRUYSSE, J. *See* GRAAF, D. C. DE
VILLAMIZAR, N. J. *See* BASÁÑEZ, M. G.

WAKELIN, D. *See* WINTER, M. D.
WANG, J. H. *See* WEN, H.
WANG, Y. H. *See* WEN, H.
WELLS, C. *See* OCHANDA, H.
WEN, H., NEW, R. R. C., MUHMUT, M., WANG, J. H., WANG, Y. H., ZHANG, J. H., SHAO, Y. M. and CRAIG, P. S. Pharmacology and efficacy of liposome-entrapped albendazole in experimental secondary alveolar echinococcosis and effect of co-administration with cimetidine, 111
WHITEHEAD, R. R. *See* HOLLAND, C. V.
WHITEHEAD, R. R. *See* PENG WEIDONG
WIGHTMAN, P. J. *See* JONES, J. T.
WILLIAMS, J. R. *See* BASÁÑEZ, M. G.
WINTER, M. D., WRIGHT, C., WAKELIN, D. and LEE, D. L. The serum immune response in young lambs to a primary infection with *Nematodirus battus*, 491
WOLSTRUP, J. *See* LARSEN, M.

WRIGHT, C. *See* WINTER, M. D.
WU HAIGENG *See* PENG WEIDONG
WU WEIXING *See* PENG WEIDONG

XIONG JIANGQUIN *See* PENG WEIDONG
XU KAIWU *See* PENG WEIDONG

YANG YANG *See* PENG WEIDONG
YAN YONGXING *See* PENG WEIDONG
YODER, F. *See* CAMPBELL, J. F.
YOUNG, A. S., DOLAN, T. T., MORZARIA, S. P., MWAKIMA, F. N., NORVAL, R. A. I., SCOTT, J., SHERRIFF, A. and GETTINBY, G. Factors influencing infections in *Rhipicephalus appendiculatus* ticks fed on cattle infected with *Theileria parva*, 255
YOUNG, A. S. *See* OCHANDA, H.
YOUNG, I. S. *See* HARWOOD, C. L.
YSEBAERT, M. T. *See* DE BONT, J.

ZEMZOUMI, K. *See* SERRA, E.
ZHANG, J. H. *See* WEN, H.
ZHANG, L.-H. *See* JONES, M. K.
ZHOU XIANMIN *See* PENG WEIDONG
ZITKOVÁ, S. *See* FLEGR, J.

Index of Subjects

Age dependency, in water contact exposure to schistosomiasis, 223
Albendazole, pharmacology and efficacy of in experimental secondary alveolar echinococcosis, 111
Amblyomma spp., impact of on *Bufo marinus* from native habitats, 199
Anguilla anguilla, intestinal helminth communities in, 293
Anguillicola crassus, density-dependent effects of within and on its copepod intermediate hosts, 303
Animal model, for chemotherapeutic and immunobiological studies, 323
Anopheles punctulatus, blood-feeding of is enhanced by malaria parasites, 105
Anthelmintic treatment, of school children, 87
Antigen, circulating levels of in cattle infected with *Schistosoma matthei*, 465
  isolation, characterization and immunolocalization of from *Ostertagia ostertagi*, 63
Antigens, released from plant-parasitic nematodes, indentification of, 589
Antigen 5, ultrastructural localization of in *Echinococcus granulosus*, 213
Appetite, in *Ascaris lumbricoides*-infected schoolchildren after pyrantel pamoate treatment, 497
Ascariasis, appetite and child growth during, 497
Ascaris, infection of people and pigs by in Jiangxi Province, China, 545
Ascaris lumbricoides, targeted anthelmintic treatment of in school children, 87
Ascaris suum, effects of pH on chloride channels in, 191

Behaviour changes in common lizards parasitized by haemogregarines, 433
Behaviour in humans, induction of changes in by *Toxoplasma gondii*, 49
Behaviour, parasite-induced alterations in, 357
Biomphalaria glabrata, parasite-altered mating in, 357
Blood-feeding, of *Anopheles punctulatus*, is enhanced by malaria parasites, 105
Borrelia burgdorferi, effect of infection with on behaviour of *Ixodes scapularis*, 97
Brugia pahangi, identification of cuticular collagen of, 145
Bufo marinus, from native habitats, effect of ticks on, 199

Calcium dependent chloride channels, in *Ascaris suum*, effects of pH on, 191
Calmodulin-domain protein kinases, in *Eimeria*, 439
Cattle, circulating antigens of *Schistosoma matthei* in the serum of, 465
Cellular dynamics, of bloodstage malaria, 25
Central nervous system, of adult male *Onchocerca volvulus*, 71
Chemotherapy, of experimental secondary alveolar echinococcosis, 111
Chloride channel, effects of pH on in *Ascaris suum*, 191
Cholinergic inhibition, of muscle fibres from *Schistosoma mansoni*, 55
Cimetidine, effect of co-administration of with albendazole in experimental alveolar echinococcosis, 111
Collagen gene, isolation of from the potato cyst nematode, *Globodera pallida*, 581
Collagen, identification and sequence of from *Brugia pahangi* cuticle, 145
Common lizards, physiological and behaviour changes in when parasitized by haemogregarines, 433
Competitive exclusion, in human schistosomes, 129
Copepod intermediate hosts, denisty-dependent effects of *Anguillicola crassus* on, 303
Cuticular collgen, identification and sequence of in *Brugia pahangi*, 145
Cyprinus carpio L., migration and development of *Sanguinicola inermis* in, 279
Cyst-nematodes, intestinally active proteinases in, 415
Cytoadherence, effects of proteases and iodination on, 317

Density dependence, of *Anguillicola crassus* within and on its intermediate hosts, 303
Development, of the blood fluke *Sanguinicola inermis* in carp, 279
Diagnosis of microfilariae, use of PCR identification in, 567
Diagnostic probes, use of satellite DNAs as for the identification of entomopathogenic nematodes, 483
Diaphragm, effect of *Trichinella spiralis* infection on the mechanical properties of, 535
Dietary habits and malaria, in the selection of the G6PD$^-$ genotype, 7
Diethylcarbamazine, treatment with in onchocerciasis influences neutrophil involvement in the host reaction, 403
Dirofilaria immitis, identification of by PCR, 567
Dirofilaria repens, identification of by PCR, 567
Duddingtonia flagrans, prevention of strongyle infections in foals on pasture by, 1

Echinococcosis, experimental alveolar, effects of albendazole and cimetidine on, 111
Echinococcus granulosus, ultrastructural localization of antigen 5 in, 213
Ecology, of *Trichinella* spp. in Western Europe, 527
Eimeria maxima, calmodulin-domain protein kinases in, 439
Eimeria tenella, calmodulin-domain protein kinases in, 439
  identification of a fibronectin-like molecule in, 505
Elastase, as an immune target in *Schistosoma mansoni*, 519
Endotrypanum spp., enzyme polymorphism in, 39
Entomopathogenic nematodes, identification of, 483
  pattern of emergence of from host cadaver is altered by selection, 183
  spatial distribution of in turfgrass, 473
Enzyme polymorphism, in *Endotrypanum* spp., 39
Excretory system, evidence of in male *Onchocerca volvulus*, 71
Exposure to schistosomiasis, variables in determining age and sex patterns in, 223

Fasciola hepatica, myoactivity of, 393
Fava beans, effects of consumption of on G6PD deficiency, 7
Fibronectin-like molecule, identification of on *Eimeria tenella*, 505
Fluorescent lipids, distribution and biophysical properties of on adult *Schistosoma mansoni* surface, 137

Globin-like antigen, characterization of from *Ostertagia ostertagi* adults, 63
Globodera pallida, isolation and characterization of a collagen gene from, 581
Glucose-6-phosphate dehydrogenase deficiency, effects of malaria and fava bean consumption on, 7
Glutathione S-transferase, ultrastructural localization of in *Schistosoma mansoni* adult worms, 377
Goat schistosomiasis, immune responses in, 367
Growth, in *Ascaris lumbricoides*-infected schoolchildren after pyrantel pamoate treatment, 497
Growth-promoting factor, for *Plasmodium falciparum* in serum-free medium, 19

Habitat selection, by *Heligmosomoides polygyrus* is influenced by villus length, 311

Haemogregarine-infected lizards, behaviour and physiology of, 433
Heligmosomoides polygyrus, habitat selection by is influenced by villus length, 311
Helminth communities, the number of niches in the intestine of *Anguilla anguilla*, 293
Helminth infection, mutli-epitope models of, 157
Heterodera glycines, intestinally active proteinases from, 415
Horses, prevention of strongyle infections in by *Duddingtonia flagrans*, 1
Host recognition behaviour, prediction of host suitability by in *Steinernema carpocapsae*, 573
Host suitability, in *Steinernema carpocapsae*, prediction of by host recognition behaviour, 573
Human behaviour, induction of changes in by *Toxoplasma gondii*, 49
Hymenolepis diminuta, NADPH-diaphorase histochemistry in, 559
Hypoxanthine, a growth factor for *Plasmodium falciparum* in serum-free medium, 19

Identification, of entomopathogenic nematodes, 483
Immune response, of young lambs to infection with *Nematodirus* battus, 491
Immune suppressive particles, in wasps, 207
Immune target, *Schistosoma mansoni* elastase as, 519
Immunodominance, in immunological responses to helminth parasite antigens, 157
Immunolocalization, of NF-Y nuclear factor in *Schistosoma mansoni*, 457
Immunological responses, to helminth parasite antigens, 157
Infectivity, of *Plasmodium falciparum* to mosquitoes, 425
Instars, of *Rhipicephalus appendiculatus*, transmission of *Theileria parva* in, 243
Invasion, of bovine lymphocytes by *Theileria parva* sporozoites, 267
Iodination, effect of on the adherent behaviour of *Plasmodium falciparum*-infected erythrocytes, 317
Isoenzme analysis, in *Endotrypanum* spp., 39
Ixodes scapularis, effect of infection with *Borrelia burgdorferi* on, 97

Jejunum, neurally regulated electrolyte transport in is altered by *Nippostrongylus brasiliensis* infection in rats, 173

Lambs, humoral immune response of to infection with *Nematodirus battus*, 491
Leptopilina boulardi, immune suppressive virus-like particles in, 207
Lipids, localization of on adult *Schistosoma mansoni* surface, 137
Lyme disease, effect of infection with on tick behaviour, 97

Malaria, a mathematical model of bloodstage infection in, 25
Malaria and dietary habits, in the selection of the G6PD$^-$ genotype, 7
Malaria parasites, enhancement of blood-feeding of *Anopheles punctulatus* by, 105
Mastomys coucha, *Setaria digitata* microfilaraemia in, 323
Mathematical model, of bloodstage infection with *Plasmodium berghei*, 25
  of helminth infections, 157
Mating, in *Biomphalaria glabrata*, 357
Mating interactions, between *Schistosoma mansoni* and *S. intercalatum*, 129
Mechanical properties, of mammalian diaphragm, effect of *Trichinella spiralis* infection on, 535
Metalloproteinases, mediation of the metastatic phenotype of *Theileria*-transformed cells by, 449
Metastasis, of *Theileria*-infected host cells, 449
Migration, of the blood fluke *Sanguinicola inermis* in carp, 279
Mnemiopsis leidyi, effects of infestation with *Edwardsia lineata* on, 123
Mortality, induction of in onchocerciasis vectors, 331
Mosquitoes, infectivity of *Plasmodium falciparum* to, 425
Muscle fibres, isolated from *Schistosoma mansoni*, cholinergic inhibition of, 55
Myoactivity, of *Fasciola hepatica*, 393

NADPH-diaphorase, histochemistry of in *Hymenolepis diminuta*, 559
Nematode cuticular collagens, sequence comparison of, 145
Nematode-destroying fungus, prevention of strongyle infections by in foals on pasture, 1
Nematodes, excretion/secretion of VIP-like and PHI-like proteins by, 287
Nematodirus battus, the serum immune response of young lambs to infection with, 491
Neuronal response, to *Nippostrongylus brasiliensis* infection in rats, 173
Neutrophils, participation of in onchocerciasis after diethylcarbamazine, 403
NF-Y nuclear factor, expression of in *Schistosoma mansoni*, 457
Niches, the number of in intestinal helminth communities of *Anguilla anguilla*, 293
Nippostrongylus brasiliensis, infection with evokes neuronal abnormalities in rats, 173
Nitric oxide nerves, in *Hymenolepis diminuta*, 559

Onchocerca volvulus, host reaction to skin microfilariae of, 403
  ultrastructure of the anterior end of the male of, 71
Onchocerciasis, density-dependent processes in the transmission of, 331
  role of neutrophils in host skin reactions to *Onchocerca volvulus*, after diethylcarbamazine treatment, 403
Ostertagia ostertagi, characterization of a globin-like antigen from, 63

PCR, use of in the identification of *Dirofilaria repens* and *Dirofilaria immitis*, 567
Peptide histidine isoleucine, excretion/secretion of by nematodes, 287
pH, effects of on Ca-dependent chloride channels in *Ascaris suum*, 191
Physiological changes, in common lizards parasitized by haemogregarines, 433
Pig, characteristics of infection of by *Ascaris lumbricoides* in a rural community in Jiangxi Province, China, 545
Plant-parasitic nematodes, secreted proteins produced by, 589
Plasmodium berghei, within-host cellular dynamics of, 25
Plasmodium falciparum, calcium-dependent protein kinase of, 439
  growth of in serum-free medium is promoted by hypoxanthine, 19
  natural infectivity of, 425
  resistance to in G6PD$^-$ bearers, 7
Plasmodium falciparum-infected erythrocytes, effect of proteases and iodination on, 317
Potato cyst nematode, isolation and characterization of a collagen gene from, 581
Praziquantel, effects of on immune responses in goat schistosomiasis, 367
Proteases, effect of on the adherent behaviour of *Plasmodium falciparum*-infected erythrocytes, 317
Proteinases, characterization of in cyst-nematodes, 415
Pyrantel pamoate, effect of a single dose of on appetite and growth in *Ascaris lumbricoides*-infected schoolchildren, 497
RAPD markers, use of for detection of schistosome genetic diversity in naturally infected *Rattus rattus*, 511
Rattus rattus, distribution of schistosome genetic diversity in, 511

RFamide peptides, effects of on *Fasciola hepatica* muscle strips, 393
Rhipicephalus appendiculatus, comparison of transmission of *Theileria parva* between different instars of, 243
factors influencing infection of, by *Theileria parva*-infected cattle, 255

Sanguinicola inermis, migration and development of in carp, 279
Satellite DNAs, use of as diagnostic probes in the identification of entomopathorgenic nematodes, 483
Schistosoma bovis, experimental infection of goats with, 367
Schistosoma intercalatum, restricted distribution of, 129
Schistosoma mansoni, cholinergic inhibition of muscle fibres from, 55
elastase in as an immune target, 519
expression of NF-Y nuclear factor in, 457
ultrastructural localization of glutathione S-transferase in, 377
uptake of fluorescent lipids by, 137
Schistosoma matthei, circulating antigens in cattle infected with, 465
Schistosome genetic diversity, detection of in *Rattus rattus*, 511
Schistosomiasis, water contact observations in, 223
Sea anemone, effects of infestation with the larvae of on *Mnemiopsis leidyi*, 123
Seabather's eruption, possible causes of, 123
Secretions, isolation and characterization of from plant parasitic nematodes, 589
Selection, alters pattern of emergence of entomopathogenic nematodes, 183
Setaria digitata, microfilaraemia induced by in *Mastomys coucha*, 323
Sex dependency, in water contact exposure to schistosomiasis, 223
Sm28GST, ultrastructural localization of, 377
Soil contamination, by *Ascaris* in a rural community in Jiangxi Province, China, 545
Spatial distribution, of entomopathogenic nematodes in turfgrass, 473
Sporozoite invasion, of bovine lymphocytes, 267
Steinernema carpocapsae, prediction of host suitability in, 573
Steinernema glaseri, pattern of emergence of from host cadaver is altered by selection, 183
Strongyle infections, in foals on pasture, fungal control of, 1

Targeted treatment, of *Ascaris lumbricoides* infected school children, 87
Theileria annulata-transformed cells, the metastatic phenotype of is mediated by matrix metalloproteinases, 449
Theileria-infected host cells, metastasis of, 449
Theileria parva, comparison of the transmission of between *Rhipicephalus appendiculatus* instars, 243
factors influencing infection of ticks by, 255
sporozoites, interaction of with host lymphocytes, 267
Tick behaviour, effect of Lyme disease infection on, 97
Tick impact, on *Bufo marinus*, 199
Toxoplasma gondii, induction of human behavioural problems by, 49
Transmission data base, for infection of *Rhipicephalus appendiculatus* by *Theileria* parva, 255
Transmission, of human onchocerciasis, density-dependent proceses in, 331
of *Theileria parva*, comparison of between different instars of *Rhipicephalus appendiculatus*, 243
Trichinella britovi, environmental and human influence on the ecology of, 527
Trichinella spiralis, effect of infection by on the mechanical properties of mammalian diaphragm, 535
environmental and human influence on the ecology of, 527
Turfgrass, spatial distribution of entomopathogenic nematodes in, 473

Ultrastructural localization, of antigen 5 in *Echinococcus granulosus*, 213
of glutathione S-transferase in *Schistosoma mansoni*, 377
Ultrastructure, of male *Onchocerca volvulus*, 71

Vasoactive intestinal polypeptide, excretion/secretion of by nematodes, 287
Villus length, influence of on habitat selection by *Heligmosomoides polygyrus*, 311
Virus-like particles, in a *Drosophila* parasitoid, 207

Water contact, observations of in Kenyan communities endemic for schistosomiasis, 223

Zymodeme analysis, in *Endotrypanum*, 39